

## PREVENTING COLD BRIDGES

# ArmaFix duct support

It is a well-known fact that a system is only as strong as its weakest link. Duct supports represent a potential weak point in cold applications. If the air duct is not thermally isolated from the bracket, thermal bridges occur and condensation may form. This leads to increased energy losses, a higher risk of corrosion and expensive secondary damage. **The ArmaFix duct support guarantees a closed and secure insulation system in this sensitive area.**

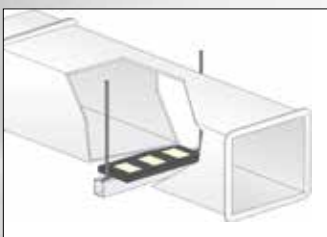
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The system solution is equipped with a load-bearing segment made of environment-friendly PET. The material consists of recycled PET bottles which are industrially foamed. PET is lightweight, has high mechanical strength in combination with residual flexibility and a maximum service life. The product not only offers maximum security, but can also be installed simply, quickly and neatly.

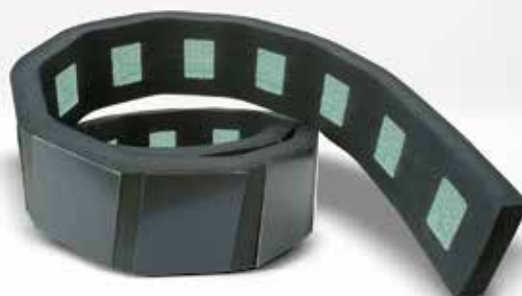
#### Product range

- // The ArmaFix AF duct support is offered in widths of 19, 25, 32 and 50 mm
- // Length: 2 m
- // Width: 100 mm
- // A low-smoke version is now also available: the ArmaFix Ultima duct support in dimensions of 19 and 25 mm



#### Installation

The Armafix duct support is simply placed between the duct and the traverse and fixed.



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## VESSEL INSULATION WITH METAL JACKET

Integrated protection against mechanical damage



Metal jackets are often installed on vessels insulated with ArmaFlex to provide protection against mechanical stress. However, constructing a load-bearing substructure according to DIN 4140 is very time-consuming. Here the ArmaFix Flat Support offers an easy to install alternative: the product is simply integrated directly in the ArmaFlex insulation during the insulation work.

For small vessels (< 1000 mm  $\varnothing$ ), a crosswise arrangement is generally recommended. For large vessels, several flat support strips can be installed in a radial symmetric pattern. The ArmaFix Flat Support bears loads and prevents damage to both the metal jacketing and the ArmaFlex insulation during maintenance work. It ensures that when the vessel lid is trodden on the jacket is not dented and the insulation layer thickness required to prevent condensation processes is maintained.

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## ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,135 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:  
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